

20. (Original) The insulin-containing medicine of claim 19, further comprising an auxiliary substance.

21. (Original) The insulin-containing medicine of claim 19, wherein the auxiliary substance is gelatin.

22. (Original) The insulin-containing medicine of claim 19, wherein the amount of the auxiliary substance is 1-2.5 mass %.

23. (Original) The insulin-containing medicine of claim 19, wherein the erythrocytes are excreted from fresh pig, livestock or horse blood.

24. (Original) The insulin-containing medicine of claim 19, wherein the erythrocytes are excreted from fresh human blood.

25. (Original) The insulin-containing medicine of claim 19, further comprising glutarite dialdehyde.

26. (New) The insulin-containing medicine of claim 19, wherein the insulin-containing medicine is derived by

excreting erythrocytes from fresh mammal blood,

incubating the erythrocytes with insulin in the presence of linking agent to obtain immobilised insulin,

washing the immobilised insulin with a physiological solution to obtain an insulin solution,

C2 adding a stabiliser to the insulin solution, and

lyophilising the insulin solution,

wherein the step of incubating is carried out at <sup>an</sup> ~~the ratio~~ <sup>ratio of</sup> insulin: erythrocytes 5-10:100 and with the content of the linking agent in the final concentration 0.05-0.15 under a temperature of 4-8°C for 4-6 hours while pendular rocking the erythrocytes and insulin with a frequency of 0.1-0.5 Hz,

wherein the step of excreting is influenced by centrifugal forces with a size of 350-1100 g within 15-30 minutes, and

wherein the step of washing the immobilised is carried out in several cycles under centrifugal forces with a size of 350-1100 g within 0.5-10.0 per cycle.

27. (New) The insulin-containing medicine of claim 26, wherein the stabiliser is gelatine.

28. (New) The insulin-containing medicine of claim 26, wherein the stabiliser is gelatine in the quantity 1-2.5 mass %.

C2

29. (New) The insulin-containing medicine of claim 26, wherein the erythrocytes are excreted from fresh pig, livestock or horse blood.

30. (New) The insulin-containing medicine of claim 26, wherein the erythrocytes are excreted from fresh human blood.

31. (New) The insulin-containing medicine of claim 26, wherein the linking agent is glutarite dialdehyde.